

We claim:

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1. A computer-implemented method comprising:
  - calling by a client object of a request lock method of a server object requesting access; and,
  - 5 when the server object decides to grant the access to the client object, calling by the server object of a lock granted method of the client object,
  - such that the access by the client object is released when the client object returns the lock granted method.
2. The method of claim 1, further comprising, prior to calling by the server object of the  
10 lock granted method of the client object, deciding by the server object to grant the access to the client object.
3. The method of claim 1, further comprising returning by the client object of the lock granted method, such that the access by the client object is released.
4. The method of claim 1, wherein the access requested by the client object is one of  
15 read-only access and read-and-write access.
5. A machine-readable medium having instructions stored thereon for execution by a server object governing access to perform a method comprising:
  - receiving a call from a client object of a request lock method of the server object requesting the access;

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determining to grant the access to the client object; and,  
upon determining to grant the access to the client object, calling a lock granted  
method of the client object,  
such that the access by the client object is released when the client object returns the  
5 lock granted method.

6. The medium of claim 5, wherein the access requested by the client object is one of  
read-only access and read-and-write access.

7. A machine-readable medium having instructions stored thereon for execution by a  
client object desiring access governed by a server object to perform a method comprising:

10 calling a request lock method of the server object requesting the access;  
receiving a call from the server object to a lock granted method of the client object  
granting the access,  
such that the access is released when the client object returns the lock granted  
method.

15 8. The medium of claim 7, the method further comprising returning by the client object  
of the lock granted method, such that the access by the client object is released.

9. The medium of claim 7, wherein the access requested by the client object is one of  
read-only access and read-and-write access.

10. A computerized system comprising:

a server object governing access to data having a request lock method,

such that a client object requests the access to the data by calling the request lock

11. The system of claim 10, wherein the access requested by the client object is one of read-only access and read-and-write access.

12. A computerized system comprising:

at least one client object, each client object having a client lock granted method;

a server object governing access to data having a server request lock method;

an object queue to manage the access to the data governed by the server object by

15 having a proxy lock granted method and a proxy request lock method,

such that a client object requests the access to the data by calling the proxy request lock method of the object queue, the object queue then calling the server request lock method of the server method, the server object then calling the proxy lock granted method of the object queue, and the object queue then calling the client lock granted

20    method of the client object.

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13. The system of claim 12, wherein the access is released by the client object when the client object returns the client lock granted method.

14. The system of claim 12, wherein the access is released by the object queue then the object queue returns the proxy lock granted method.

5 15. The system of claim 12, wherein the access requested by the client object is one of read-only access and read-and-write access.

16. A computer-implemented method comprising:

calling by a client object of a proxy request lock method of an object queue  
requesting client access to data ultimately managed via a server object;

10 upon determining by the object queue that the object queue currently is not waiting  
for proxy access to the data, calling by the object queue of a server request lock method  
of the server object requesting the proxy access;

when the server object decides to grant the access to the object queue, calling by the  
server object of a proxy lock granted method of the object queue; and,

15 calling by the object queue of a client lock granted method of the client object.

17. The method of claim 16, further comprising returning by the client object of the client  
lock granted method, such that the client access by the client object is released.

18. The method of claim 17, further comprising upon determining by the object queue that the object queue is empty of client requests, returning by the object queue of the proxy lock granted method, such that the proxy access by the object queue is released.

19. The method of claim 16, wherein the client access comprises one of read-only access and read-and-write access.

20. The method of claim 16, wherein the proxy access consists of read-and-write access.